



# National Resources Inventory 2003 Annual NRI

## State Report

February 2007

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Estimates presented here are based upon the latest information from the National Resources Inventory (NRI). The NRI is a longitudinal sample survey based upon scientific statistical principles and procedures. It is conducted by the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS), in cooperation with Iowa State University's Center for Survey Statistics and Methodology. These results are based upon the 2003 Annual NRI, which statistically updates 1997 NRI results with data collected during 2000 – 2003. The NRI was conducted on a five-year cycle during the period 1982 to 1997, but now is conducted annually. NRI data were collected every five years for 800,000 sample sites; annual NRI data collection occurs at slightly less than 25 percent of these same sample sites. Current estimates cover the contiguous 48 states. Future estimates will include Hawaii, Alaska, the Caribbean, and selected Pacific Basin islands.

NRI data release procedures are affected by implementation of an annual data collection approach, because the scale of NRI estimates is affected by these reduced sample sizes. Estimates are being released when they meet NRI statistical standards and are scientifically credible in accordance with NRCS policy, and in accordance with OMB and USDA Quality of Information Guidelines.

The 2003 Annual NRI data are suitable for national, many regional, and some state level analyses. Selected state-level results are reported here. These results will be supplemented in 2008 with additional estimates that compare net change and land cover/use dynamics with previous inventories.

Until these supplements are released, direct comparisons between 1997 and 2003 NRI estimates to determine change or trends will produce incorrect inferences and is scientifically invalid because:

1. There have been improvements in statistical estimation techniques and procedures between 1997 and 2003.
2. Data from previous inventory cycles were reviewed (edited) concurrently with the 2003 NRI data collection effort.

Margins of error are reported for each NRI estimate and must be considered at all scales of analysis. The margin of error is used to construct the 95 percent confidence interval for the estimate. The lower bound of the interval is obtained by subtracting the margin of error from the estimate; the upper bound is obtained by adding the margin of error to the estimate. A 95 percent confidence interval means that in repeated samples from the same population, 95 percent of the time the true underlying population parameter will be contained within the lower and upper bounds of the interval. In the following tables, an asterisk (\*) replaces the estimate if the margin of error is greater than the estimate. If the margin of error is greater than the estimate, the confidence interval includes zero, and the estimate should not be used.

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**2003 Total Surface Area by Land Cover/Use by State, in Thousands of Acres,  
with Margins of Error**

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
<b>Alabama</b>	2509.0 ±189.2	459.0 n/a	3400.8 ±207.0	*	21530.0 ±284.5	449.2 ±87.1	2723.9 ±238.4	1281.4 ±42.7	997.9 n/a	33423.8 n/a
<b>Arizona</b>	933.9 ±133.8	0.0 n/a	82.0 ±56.2	32254.7 ±1214.3	4141.4 ±970.6	3028.6 ±537.9	1910.5 ±380.0	187.1 ±8.1	30426.2 n/a	72964.4 n/a
<b>Arkansas</b>	7522.0 ±469.2	146.0 n/a	5322.1 ±362.8	*	15007.8 ±477.2	392.8 ±63.8	1603.3 ±161.7	900.9 ±32.9	3104.2 n/a	34036.9 n/a
<b>California</b>	9468.2 ±716.5	133.8 n/a	1188.6 ±236.1	17758.0 ±1077.1	13903.2 ±695.7	4624.2 ±628.2	5925.1 ±389.9	1870.1 ±28.5	46639.0 n/a	101510.2 n/a
<b>Colorado</b>	8348.0 ±646.3	2193.3 n/a	1001.8 ±127.2	24790.6 ±836.2	3289.0 ±497.1	1006.0 ±168.4	1870.7 ±233.5	328.2 ±22.8	23796.9 n/a	66624.5 n/a
<b>Connecticut</b>	172.2 ±31.2	0.0 n/a	128.7 ±23.1	0.0 ±0.0	1706.0 ±53.5	104.1 ±21.1	941.5 ±41.7	127.7 ±5.5	14.5 n/a	3194.7 n/a
<b>Delaware</b>	457.5 ±35.1	1.7 n/a	22.9 ±10.7	0.0 ±0.0	340.6 ±41.7	126.0 ±26.7	264.6 ±33.1	289.2 ±3.7	31.0 n/a	1533.5 n/a
<b>Florida</b>	2873.2 ±383.3	78.4 n/a	3619.4 ±375.3	2696.7 ±372.2	12732.7 ±410.6	2807.0 ±364.3	5852.7 ±386.0	3089.4 ±36.2	3784.2 n/a	37533.7 n/a
<b>Georgia</b>	4151.9 ±289.4	293.6 n/a	2798.1 ±233.8	0.0 ±0.0	21893.2 ±391.5	854.2 ±122.3	4572.0 ±212.7	1053.5 ±35.1	2124.0 n/a	37740.5 n/a
<b>Idaho</b>	5452.6 ±341.2	784.3 n/a	1316.6 ±158.2	6420.7 ±393.8	4006.9 ±317.5	577.6 ±117.6	811.5 ±71.4	554.0 ±11.0	33563.3 n/a	53487.5 n/a
<b>Illinois</b>	23980.5 ±272.6	635.2 n/a	2254.0 ±203.4	0.0 ±0.0	3949.3 ±187.7	675.5 ±62.4	3347.3 ±150.4	725.8 ±21.4	491.1 n/a	36058.7 n/a
<b>Indiana</b>	13315.6 ±226.1	224.8 n/a	1897.7 ±167.1	0.0 ±0.0	3816.5 ±154.8	646.0 ±76.1	2421.0 ±119.4	364.4 ±17.4	472.4 n/a	23158.4 n/a
<b>Iowa</b>	25511.1 ±255.8	1480.6 n/a	3460.5 ±194.7	0.0 ±0.0	2301.3 ±142.3	833.2 ±76.7	1779.3 ±104.9	478.1 ±18.4	172.4 n/a	36016.5 n/a

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
Kansas	26466.3	2607.2	2397.8	15844.4	1549.3	726.6	2025.3	539.9	504.0	52660.8
	±401.6	n/a	±192.1	±340.7	±110.7	±71.4	±84.6	±19.3	n/a	n/a
Kentucky	5478.5	270.2	5147.9	0.0	10510.1	534.3	2000.2	626.8	1295.4	25863.4
	±269.9	n/a	±254.7	±0.0	±214.4	±60.0	±107.4	±15.2	n/a	n/a
Louisiana	5435.0	200.5	2249.3	283.5	13337.7	2940.1	1801.7	3819.0	1310.0	31376.8
	±226.5	n/a	±200.0	±39.0	±210.9	±136.6	±68.4	±41.9	n/a	n/a
Maine	384.5	29.7	137.4	0.0	17620.3	524.0	810.1	1253.0	207.2	20966.2
	±81.5	n/a	±37.9	±0.0	±216.5	±141.4	±100.7	±24.7	n/a	n/a
Maryland	1516.6	12.2	456.7	0.0	2369.5	339.3	1346.4	1660.3	168.9	7869.9
	±92.4	n/a	±55.8	±0.0	±84.2	±29.4	±93.6	±10.2	n/a	n/a
Massachusetts	251.7	0.0	135.9	0.0	2664.9	249.9	1572.6	366.9	97.1	5339.0
	±52.4	n/a	±34.8	±0.0	±103.9	±43.1	±74.3	±12.9	n/a	n/a
Michigan	8097.2	238.9	2158.2	0.0	16708.2	1841.5	3915.2	1116.4	3273.6	37349.2
	±261.0	n/a	±180.2	±0.0	±268.6	±174.5	±167.2	±26.7	n/a	n/a
Minnesota	21099.6	1422.7	3590.6	0.0	16356.5	2741.3	2321.8	3141.3	3336.1	54009.9
	±522.1	n/a	±284.6	±0.0	±603.1	±181.3	±116.5	±32.3	n/a	n/a
Mississippi	4975.5	790.9	3223.9	0.0	16754.6	427.0	1676.3	884.3	1794.8	30527.3
	±234.5	n/a	±244.9	±0.0	±311.5	±74.4	±132.3	±39.3	n/a	n/a
Missouri	13677.9	1460.9	10673.6	87.5	12549.9	688.3	2710.5	845.9	1919.4	44613.9
	±283.4	n/a	±370.6	±39.5	±356.2	±89.9	±117.9	±23.4	n/a	n/a
Montana	14526.6	3254.1	3594.4	36697.9	5402.0	1437.6	1069.1	1036.3	27092.0	94110.0
	±835.3	n/a	±365.6	±1019.9	±522.4	±213.6	±106.9	±38.3	n/a	n/a 0
Nebraska	19552.3	1083.2	1849.9	23077.7	812.1	779.4	1233.9	473.5	647.6	49509.6
	±440.9	n/a	±140.1	±469.4	±97.1	±66.0	±107.1	±22.0	n/a	n/a
Nevada	636.1	0.0	269.5	8276.6	314.0	492.1	474.7	431.2	59868.9	70763.1
	±152.2	n/a	±76.8	±222.6	±121.9	±95.1	±106.3	±5.1	n/a	n/a
New Hampshire	124.6	0.0	89.3	0.0	3898.7	193.1	635.2	236.9	763.2	5941.0
	±27.1	—	±26.7	±0.0	±91.4	±36.6	±61.0	±13.2	n/a	n/a

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
New Jersey	527.9	0.0	101.6	0.0	1604.5	383.2	1923.9	526.2	148.3	5215.6
	±56.9	n/a	±24.2	±0.0	±77.5	±44.3	±89.1	±10.8	n/a	n/a
New Mexico	1548.7	583.2	232.1	39955.5	5477.6	2059.3	1364.8	153.6	26448.5	77823.3
	±199.9	n/a	±151.6	±959.3	±860.2	±402.5	±186.2	±15.6	n/a	n/a
New York	5358.9	48.8	2584.1	0.0	17598.5	817.7	3465.4	1282.1	205.3	31360.8
	±228.9	n/a	±165.4	±0.0	±279.5	±85.9	±164.1	±24.1	n/a	n/a
North Carolina	5512.8	87.6	1832.3	0.0	15456.1	873.2	4667.2	2772.6	2507.5	33709.3
	±248.8	n/a	±185.2	±0.0	±318.6	±102.8	±236.1	±23.9	n/a	n/a
North Dakota	24266.5	3203.5	951.2	11078.1	466.5	1408.6	1007.3	1084.2	1784.8	45250.7
	±435.7	n/a	±198.7	±471.0	±80.2	±134.7	±70.4	±17.9	n/a	n/a
Ohio	11243.3	238.4	2271.3	0.0	7225.1	836.3	3856.4	400.7	373.3	26444.8
	±250.6	n/a	±175.1	±0.0	±215.4	±95.8	±151.6	±14.7	n/a	n/a
Oklahoma	8971.3	1003.2	8458.1	14129.1	7367.9	450.5	2130.7	1079.0	1148.3	44738.1
	±410.0	n/a	±241.9	±438.7	±272.7	±53.8	±133.1	±37.8	n/a	n/a
Oregon	3701.0	440.8	1761.3	9379.4	12733.6	746.2	1313.1	825.2	31260.4	62161.0
	±296.6	n/a	±241.8	±619.9	±490.7	±165.3	±142.1	±21.1	n/a	n/a
Pennsylvania	5124.3	59.9	2000.0	0.0	15630.7	713.6	4265.5	476.9	724.3	28995.2
	±241.8	n/a	±190.4	±0.0	±303.3	±105.2	±168.0	±17.1	n/a	n/a
Rhode Island	20.3	0.0	26.5	0.0	373.7	18.4	219.5	151.4	3.5	813.3
	±11.0	n/a	±9.3	±0.0	±22.5	±9.6	±15.7	±2.4	n/a	n/a
South Carolina	2367.9	180.9	1093.4	0.0	11161.2	831.4	2468.8	799.5	1036.2	19939.3
	±132.3	n/a	±144.0	±0.0	±237.7	±88.0	±113.9	±17.1	n/a	n/a
South Dakota	17086.6	1296.9	1985.4	22054.3	503.1	1458.2	981.2	880.1	3112.2	49358.0
	±381.1	n/a	±228.0	±452.3	±103.9	±180.0	±107.8	±14.8	n/a	n/a
Tennessee	4750.0	232.9	4756.6	0.0	11959.3	571.6	2616.4	784.2	1302.6	26973.6
	±212.7	n/a	±287.5	±0.0	±275.3	±63.7	±149.2	±10.0	n/a	n/a
Texas	25562.3	3993.2	15836.3	96109.3	10613.1	2286.3	9656.4	4085.1	2909.9	171051.9
	±700.9	n/a	±550.4	±1012.2	±373.3	±180.9	±346.1	±53.7	n/a	n/a

State	Cropland	CRP Land	Pastureland	Rangeland	Forest Land	Other Rural Land	Developed Land	Water Areas	Federal Land	Total Surface Area
<b>Utah</b>	1682.1 ±196.7	199.5 n/a	722.4 ±197.5	10666.9 ±570.0	1875.6 ±440.6	2376.1 ±546.7	736.9 ±136.7	1800.6 ±19.3	34278.8 n/a	54338.9 n/a
<b>Vermont</b>	586.5 ±56.8	0.0 n/a	314.4 ±45.7	0.0 ±0.0	4129.4 ±76.9	93.4 ±26.8	346.5 ±31.7	260.8 ±4.7	422.6 n/a	6153.6 n/a
<b>Virginia</b>	2862.4 ±178.8	38.3 n/a	2904.5 ±194.6	0.0 ±0.0	13181.5 ±183.7	581.3 ±89.7	2936.6 ±119.8	1936.1 ±17.3	2646.4 n/a	27087.1 n/a
<b>Washington</b>	6493.8 ±366.7	1194.3 n/a	1080.1 ±129.3	5861.0 ±378.9	12707.1 ±398.5	953.4 ±126.0	2279.4 ±205.5	1542.7 ±22.1	11923.5 n/a	44035.3 n/a
<b>West Virginia</b>	820.6 ±142.5	0.9 n/a	1472.4 ±161.6	0.0 ±0.0	10556.2 ±161.8	255.6 ±96.7	1011.8 ±64.1	178.8 ±10.9	1211.9 n/a	15508.2 n/a
<b>Wisconsin</b>	10303.6 ±330.8	578.3 n/a	3081.2 ±244.3	0.0 ±0.0	14528.2 ±300.2	1700.4 ±147.1	2595.3 ±167.6	1287.7 ±29.5	1845.3 n/a	35920.0 n/a
<b>Wyoming</b>	2161.1 ±296.6	272.0 n/a	1081.0 ±454.6	27535.5 ±475.7	948.6 ±248.9	759.5 ±216.0	656.7 ±78.6	440.4 ±15.8	28748.0 n/a	62602.8 n/a

Note: Acreages for CRP Land, Federal Land, and Total Surface Area are established through geospatial processes and administrative records; therefore, statistical margins of error are not applicable and shown as n/a. A \* indicates that the margin of error is greater than the estimate. Total surface area of the contiguous United States is 1,937.7 million acres. Cropland includes cultivated and non-cultivated cropland.

**2003 Cultivated and Non-cultivated Cropland by State, in Thousands of Acres, with Margins of Error**

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Alabama	1949.1 ±249.3	559.9 ±156.0	2509.0 ±189.2
Arizona	704.2 ±127.4	229.7 ±71.2	933.9 ±133.8
Arkansas	7250.5 ±460.6	271.5 ±68.7	7522.0 ±469.2
California	4892.9 ±686.4	4575.3 ±547.7	9468.2 ±716.5
Colorado	6945.3 ±665.1	1402.7 ±186.4	8348.0 ±646.3
Connecticut	63.9 ±19.5	108.3 ±26.1	172.2 ±31.2
Delaware	452.4 ±35.0	*	457.5 ±35.1
Florida	1461.0 ±257.4	1412.2 ±294.1	2873.2 ±383.3
Georgia	3536.5 ±219.9	615.4 ±131.8	4151.9 ±289.4
Idaho	4149.8 ±296.9	1302.8 ±138.5	5452.6 ±341.2
Illinois	23298.9 ±311.9	681.6 ±106.8	23980.5 ±272.6
Indiana	12535.3 ±253.9	780.3 ±172.3	13315.6 ±226.1
Iowa	24151.6 ±269.6	1359.5 ±197.2	25511.1 ±255.8

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Kansas	24618.9 ±445.5	1847.4 ±252.1	26466.3 ±401.6
Kentucky	3070.2 ±209.0	2408.3 ±231.8	5478.5 ±269.9
Louisiana	5186.3 ±223.0	248.7 ±72.1	5435.0 ±226.5
Maine	123.7 ±45.0	260.8 ±65.5	384.5 ±81.5
Maryland	1224.8 ±98.9	291.8 ±54.7	1516.6 ±92.4
Massachusetts	54.9 ±19.4	196.8 ±47.3	251.7 ±52.4
Michigan	6259.3 ±224.9	1837.9 ±232.9	8097.2 ±261.0
Minnesota	19094.6 ±435.4	2005.0 ±310.9	21099.6 ±522.1
Mississippi	4587.2 ±222.0	388.3 ±84.7	4975.5 ±234.5
Missouri	10235.4 ±303.3	3442.5 ±243.2	13677.9 ±283.4
Montana	11408.8 ±965.6	3117.8 ±527.9	14526.6 ±835.3
Nebraska	17745.2 ±459.5	1807.1 ±279.5	19552.3 ±440.9
Nevada	105.4 ±73.7	530.7 ±127.2	636.1 ±152.2

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
New Hampshire	18.8 ±9.0	105.8 ±26.9	124.6 ±27.1
New Jersey	362.6 ±54.6	165.3 ±38.5	527.9 ±56.9
New Mexico	1125.2 ±152.9	423.5 ±123.4	1548.7 ±199.9
New York	2097.8 ±182.0	3261.1 ±266.5	5358.9 ±228.9
North Carolina	4770.2 ±231.2	742.6 ±137.5	5512.8 ±248.8
North Dakota	22011.1 ±475.3	2255.4 ±219.9	24266.5 ±435.7
Ohio	9677.5 ±251.0	1565.8 ±208.6	11243.3 ±250.6
Oklahoma	8380.4 ±371.6	590.9 ±139.8	8971.3 ±410.0
Oregon	2443.9 ±246.7	1257.1 ±221.2	3701.0 ±296.6
Pennsylvania	2729.5 ±148.0	2394.8 ±209.5	5124.3 ±241.8
Rhode Island	3.8 ±3.7	16.5 ±11.1	20.3 ±11.0
South Carolina	2040.9 ±136.8	327.0 ±62.1	2367.9 ±132.3
South Dakota	14463.0 ±515.9	2623.6 ±309.4	17086.6 ±381.1

State	Cultivated Cropland	Non-Cultivated Cropland	Total Cropland
Tennessee	3100.1 ±184.8	1649.9 ±157.8	4750.0 ±212.7
Texas	24853.4 ±733.3	708.9 ±202.6	25562.3 ±700.9
Utah	922.6 ±281.5	759.5 ±241.7	1682.1 ±196.7
Vermont	143.3 ±34.2	443.2 ±60.5	586.5 ±56.8
Virginia	1458.2 ±122.7	1404.2 ±117.9	2862.4 ±178.8
Washington	5407.2 ±381.0	1086.6 ±143.7	6493.8 ±366.7
West Virginia	109.9 ±42.8	710.7 ±137.6	820.6 ±142.5
Wisconsin	7789.7 ±351.0	2513.9 ±210.2	10303.6 ±330.8
Wyoming	851.6 ±174.8	1309.5 ±197.7	2161.1 ±296.6

Note: A \* indicates that the margin of error is greater than the estimate.

**2003 Non-Federal Grazing Land by State, in Thousands of Acres, with Margins of Error**

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Alabama	3400.8 ±207.0	*	695.9 ±131.6	4169.3 ±286.3
Arizona	82.0 ±56.2	32254.7 ±1214.3	3800.8 ±986.4	36137.5 ±730.6
Arkansas	5322.1 ±362.8	*	1814.2 ±309.0	7174.1 ±454.8
California	1188.6 ±236.1	17758.0 ±1077.1	5315.7 ±735.8	24262.3 ±1139.0
Colorado	1001.8 ±127.2	24790.6 ±836.2	2039.8 ±449.4	27832.2 ±871.8
Connecticut	128.7 ±23.1	0.0 ±0.0	15.2 ±13.4	143.9 ±28.4
Delaware	22.9 ±10.7	0.0 ±0.0	*	23.6 ±10.5
Florida	3619.4 ±375.3	2696.7 ±372.2	1184.1 ±324.2	7500.2 ±498.2
Georgia	2798.1 ±233.8	0.0 ±0.0	294.6 ±115.7	3092.7 ±241.7
Idaho	1316.6 ±158.2	6420.7 ±393.8	1766.9 ±419.9	9504.2 ±522.9
Illinois	2254.0 ±203.4	0.0 ±0.0	416.9 ±106.1	2670.9 ±256.2
Indiana	1897.7 ±167.1	0.0 ±0.0	272.0 ±64.3	2169.7 ±176.1
Iowa	3460.5 ±194.7	0.0 ±0.0	776.0 ±128.8	4236.5 ±236.8
Kansas	2397.8 ±192.1	15844.4 ±340.7	767.5 ±155.4	19009.7 ±400.1

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Kentucky	5147.9 ±254.7	0.0 ±0.0	894.5 ±145.6	6042.4 ±249.0
Louisiana	2249.3 ±200.0	283.5 ±39.0	894.9 ±180.8	3427.7 ±301.2
Maine	137.4 ±37.9	0.0 ±0.0	*	138.2 ±37.5
Maryland	456.7 ±55.8	0.0 ±0.0	17.8 ±5.0	474.5 ±57.1
Massachusetts	135.9 ±34.8	0.0 ±0.0	*	140.6 ±34.3
Michigan	2158.2 ±180.2	0.0 ±0.0	61.7 ±37.2	2219.9 ±197.4
Minnesota	3590.6 ±284.6	0.0 ±0.0	796.7 ±156.5	4387.3 ±306.4
Mississippi	3223.9 ±244.9	0.0 ±0.0	667.3 ±109.0	3891.2 ±271.6
Missouri	10673.6 ±370.6	87.5 ±39.5	3225.8 ±340.9	13986.9 ±517.9
Montana	3594.4 ±365.6	36697.9 ±1019.9	3190.4 ±654.9	43482.7 ±956.8
Nebraska	1849.9 ±140.1	23077.7 ±469.4	561.2 ±108.4	25488.8 ±493.9
Nevada	269.5 ±76.8	8276.6 ±222.6	238.6 ±156.4	8784.7 ±233.7
New Hampshire	89.3 ±26.7	0.0 ±0.0	12.5 ±10.5	101.8 ±27.1
New Jersey	101.6 ±24.2	0.0 ±0.0	*	105.1 ±23.8

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
New Mexico	232.1 ±151.6	39955.5 ±959.3	4751.6 ±835.4	44939.2 ±687.2
New York	2584.1 ±165.4	0.0 ±0.0	145.6 ±47.8	2729.7 ±169.8
North Carolina	1832.3 ±185.2	0.0 ±0.0	173.1 ±59.2	2005.4 ±191.5
North Dakota	951.2 ±198.7	11078.1 ±471.0	238.1 ±76.5	12267.4 ±401.8
Ohio	2271.3 ±175.1	0.0 ±0.0	224.5 ±90.6	2495.8 ±183.3
Oklahoma	8458.1 ±241.9	14129.1 ±438.7	5368.8 ±423.3	27956.0 ±547.8
Oregon	1761.3 ±241.8	9379.4 ±619.9	3262.1 ±636.0	14402.8 ±735.0
Pennsylvania	2000.0 ±190.4	0.0 ±0.0	187.4 ±83.5	2187.4 ±206.5
Rhode Island	26.5 ±9.3	0.0 ±0.0	0.0 ±0.0	26.5 ±9.3
South Carolina	1093.4 ±144.0	0.0 ±0.0	117.4 ±53.9	1210.8 ±157.4
South Dakota	1985.4 ±228.0	22054.3 ±452.3	413.9 ±119.8	24453.6 ±464.9
Tennessee	4756.6 ±287.5	0.0 ±0.0	725.2 ±115.1	5481.8 ±330.6
Texas	15836.3 ±550.4	96109.3 ±1012.2	1937.0 ±270.5	113882.6 ±986.0
Utah	722.4 ±197.5	10666.9 ±570.0	1395.5 ±497.3	12784.8 ±555.0

State	Pastureland	Rangeland	Grazed Forest Land	Total Grazing Land
Vermont	314.4 ±45.7	0.0 ±0.0	22.2 ±12.0	336.6 ±45.5
Virginia	2904.5 ±194.6	0.0 ±0.0	376.0 ±79.9	3280.5 ±205.0
Washington	1080.1 ±129.3	5861.0 ±378.9	3128.9 ±675.5	10070.0 ±759.0
West Virginia	1472.4 ±161.6	0.0 ±0.0	748.6 ±158.3	2221.0 ±243.1
Wisconsin	3081.2 ±244.3	0.0 ±0.0	581.7 ±131.6	3662.9 ±268.5
Wyoming	1081.0 ±454.6	27535.5 ±475.7	774.7 ±316.2	29391.2 ±434.7

Note: A \* indicates that the margin of error is greater than the estimate.

**2003 Water (Sheet & Rill) and Wind Erosion on Cropland by State, with Margins of Error**

State	Water Erosion in Thousands of Tons per Year	Water Erosion in Tons per Acre per Year	Wind Erosion in Thousands of Tons per Year	Wind Erosion in Tons per Acre per Year
Alabama	12932.5 ±1667.9	5.2 ±0.5	0.0 ±0.0	0.0 ±0.0
Arizona	547.2 ±121.8	0.6 ±0.1	8319.7 ±2447.8	8.9 ±2.2
Arkansas	23672.1 ±1705.9	3.1 ±0.2	0.0 ±0.0	0.0 ±0.0
California	3178.0 ±943.2	0.3 ±0.1	*	*
Colorado	13031.6 ±1806.1	1.6 ±0.1	86731.0 ±14241.9	10.4 ±1.3
Connecticut	438.0 ±176.3	2.5 ±1.0	0.0 ±0.0	0.0 ±0.0
Delaware	906.2 ±165.7	2.0 ±0.3	0.0 ±0.0	0.0 ±0.0
Florida	3859.1 ±1152.4	1.3 ±0.4	0.0 ±0.0	0.0 ±0.0
Georgia	19467.2 ±1754.6	4.7 ±0.4	0.0 ±0.0	0.0 ±0.0
Idaho	12218.5 ±1248.7	2.2 ±0.2	15546.5 ±2825.6	2.9 ±0.5
Illinois	95783.7 ±4353.8	4.0 ±0.2	0.0 ±0.0	0.0 ±0.0
Indiana	42056.5 ±2652.8	3.2 ±0.2	3885.3 ±718.4	0.3 ±0.1
Iowa	128581.1 ±5063.1	5.0 ±0.2	10886.4 ±1119.8	0.4 —

State	Water Erosion in Thousands of Tons per Year	Water Erosion in Tons per Acre per Year	Wind Erosion in Thousands of Tons per Year	Wind Erosion in Tons per Acre per Year
Kansas	55210.5 ±2617.6	2.1 ±0.1	35449.3 ±2846.1	1.3 ±0.1
Kentucky	13285.4 ±1357.4	2.4 ±0.2	0.0 ±0.0	0.0 ±0.0
Louisiana	16734.9 ±1162.1	3.1 ±0.2	0.0 ±0.0	0.0 ±0.0
Maine	527.7 ±244.8	1.4 ±0.6	0.0 ±0.0	0.0 ±0.0
Maryland	5520.7 ±849.0	3.6 ±0.5	0.0 ±0.0	0.0 ±0.0
Massachusetts	235.7 ±90.5	0.9 ±0.3	0.0 ±0.0	0.0 ±0.0
Michigan	11845.6 ±846.6	1.5 ±0.1	13898.3 ±1661.6	1.7 ±0.2
Minnesota	36867.2 ±2891.1	1.7 ±0.1	92339.2 ±6551.9	4.4 ±0.3
Mississippi	22901.2 ±2064.5	4.6 ±0.3	0.0 ±0.0	0.0 ±0.0
Missouri	56533.3 ±3629.2	4.1 ±0.2	0.0 ±0.0	0.0 ±0.0
Montana	16670.8 ±1797.0	1.1 ±0.1	42739.1 ±4727.9	2.9 ±0.3
Nebraska	51248.9 ±4182.8	2.6 ±0.2	32034.8 ±5764.0	1.6 ±0.3
Nevada	32.6 ±19.1	0.1 —	2203.3 ±1693.5	3.5 ±2.5
New Hampshire	93.0 ±34.8	0.7 ±0.2	0.0 ±0.0	0.0 ±0.0

State	Water Erosion in Thousands of Tons per Year	Water Erosion in Tons per Acre per Year	Wind Erosion in Thousands of Tons per Year	Wind Erosion in Tons per Acre per Year
New Jersey	1860.6 ±443.4	3.5 ±0.9	0.0 ±0.0	0.0 ±0.0
New Mexico	1238.0 ±231.0	0.8 ±0.1	20047.7 ±4060.2	12.9 ±2.4
New York	11420.1 ±1491.9	2.1 ±0.3	0.0 ±0.0	0.0 ±0.0
North Carolina	16881.5 ±1497.7	3.1 ±0.2	0.0 ±0.0	0.0 ±0.0
North Dakota	32779.3 ±1267.2	1.4 ±0.1	117325.8 ±6364.0	4.8 ±0.2
Ohio	22938.3 ±1520.4	2.0 ±0.1	1592.4 ±228.8	0.1 —
Oklahoma	22874.8 ±1954.0	2.5 ±0.2	13221.2 ±1983.6	1.5 ±0.2
Oregon	5831.2 ±1086.2	1.6 ±0.2	5588.6 ±1935.9	1.5 ±0.5
Pennsylvania	18476.6 ±1624.4	3.6 ±0.3	0.0 ±0.0	0.0 ±0.0
Rhode Island	42.6 ±27.8	2.1 ±0.6	0.0 ±0.0	0.0 ±0.0
South Carolina	6556.3 ±745.8	2.8 ±0.2	0.0 ±0.0	0.0 ±0.0
South Dakota	31427.0 ±2582.4	1.8 ±0.1	34203.6 ±3364.9	2.0 ±0.2
Tennessee	16950.3 ±2145.3	3.6 ±0.4	0.0 ±0.0	0.0 ±0.0

State	Water Erosion in Thousands of Tons per Year	Water Erosion in Tons per Acre per Year	Wind Erosion in Thousands of Tons per Year	Wind Erosion in Tons per Acre per Year
Texas	64834.7 ±2463.5	2.5 ±0.1	190493.4 ±15099.6	7.5 ±0.6
Utah	1230.5 ±972.2	0.7 ±0.6	5010.8 ±1237.0	3.0 ±0.8
Vermont	792.6 ±169.5	1.4 ±0.3	0.0 ±0.0	0.0 ±0.0
Virginia	9763.8 ±1412.8	3.4 ±0.4	0.0 ±0.0	0.0 ±0.0
Washington	26341.0 ±3637.6	4.1 ±0.5	31429.6 ±6385.4	4.8 ±1.0
West Virginia	990.6 ±318.4	1.2 ±0.4	0.0 ±0.0	0.0 ±0.0
Wisconsin	31754.3 ±3003.1	3.1 ±0.2	1759.0 ±477.0	0.2 —
Wyoming	1184.9 ±355.4	0.5 ±0.1	6974.2 ±2221.0	3.2 ±0.8

Note: A \* indicates that the margin of error is greater than the estimate; a — indicates that the margin of error is less than .05 tons per acre per year.

**2003 Highly Erodible (HEL) and Non-Highly Erodible (Non-HEL) Cropland by State, in Thousands of Acres, with Margins of Error**

State	HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total HEL Cropland	Non-HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	Non-HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total Non-HEL Cropland
Alabama	287.0 ±85.9	373.9 ±85.0	660.9 ±127.8	1109.8 ±133.0	738.3 ±141.4	1848.1 ±182.8
Arizona	470.2 ±85.7	365.5 ±96.7	835.7 ±114.8	74.6 ±33.1	23.6 ±23.3	98.2 ±43.6
Arkansas	119.8 ±45.6	160.8 ±57.8	280.6 ±79.2	6056.5 ±472.5	1184.9 ±196.3	7241.4 ±482.9
California	390.4 ±196.0	167.1 ±67.5	557.5 ±201.1	8754.2 ±684.6	156.5 ±107.2	8910.7 ±709.3
Colorado	2023.6 ±382.8	4399.1 ±741.2	6422.7 ±699.9	1327.0 ±268.5	598.3 ±135.2	1925.3 ±293.3
Connecticut	34.5 ±17.6	14.8 ±9.6	49.3 ±21.5	102.1 ±23.3	20.8 ±10.8	122.9 ±27.0
Delaware	*	14.9 ±9.8	17.6 ±9.7	404.8 ±36.9	35.1 ±15.7	439.9 ±34.8
Florida	11.1 ±10.6	*	54.5 ±46.6	2581.1 ±373.8	237.6 ±104.4	2818.7 ±374.7
Georgia	202.0 ±72.3	248.3 ±74.2	450.3 ±106.0	2346.0 ±282.9	1355.6 ±179.2	3701.6 ±260.0
Idaho	803.4 ±170.8	1374.2 ±189.0	2177.6 ±223.2	2529.9 ±239.1	745.1 ±177.7	3275.0 ±279.0
Illinois	599.1 ±107.5	3027.3 ±186.9	3626.4 ±197.8	17762.3 ±324.1	2591.8 ±238.6	20354.1 ±329.7
Indiana	599.7 ±109.6	1312.7 ±142.4	1912.4 ±185.6	9987.0 ±291.8	1416.2 ±161.9	11403.2 ±283.5

State	HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total HEL Cropland	Non-HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	Non-HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total Non-HEL Cropland
Iowa	1495.8 ±196.5	5691.1 ±302.4	7186.9 ±310.4	16426.4 ±408.8	1897.8 ±199.0	18324.2 ±366.7
Kansas	5875.9 ±683.9	2224.8 ±318.4	8100.7 ±820.3	16396.9 ±819.1	1968.7 ±299.2	18365.6 ±884.0
Kentucky	2159.1 ±202.7	824.8 ±126.9	2983.9 ±194.0	2299.0 ±175.6	195.6 ±56.9	2494.6 ±194.7
Louisiana	141.4 ±58.5	101.4 ±50.4	242.8 ±73.6	4444.9 ±211.1	747.3 ±152.1	5192.2 ±229.0
Maine	67.9 ±33.9	30.9 ±29.0	98.8 ±42.6	260.1 ±66.7	25.6 ±22.5	285.7 ±64.2
Maryland	218.0 ±50.7	298.6 ±45.8	516.6 ±59.2	912.2 ±78.0	87.8 ±23.9	1000.0 ±79.9
Massachusetts	52.1 ±21.4	6.6 ±5.7	58.7 ±22.8	178.2 ±44.2	14.8 ±12.0	193.0 ±44.0
Michigan	300.7 ±78.3	222.3 ±54.9	523.0 ±108.4	6430.3 ±258.5	1143.9 ±181.2	7574.2 ±269.9
Minnesota	593.3 ±176.3	916.8 ±196.7	1510.1 ±252.5	12496.0 ±663.7	7093.5 ±558.2	19589.5 ±552.1
Mississippi	254.6 ±63.9	468.6 ±117.2	723.2 ±137.8	3097.1 ±242.0	1155.2 ±202.0	4252.3 ±251.2
Missouri	2595.3 ±303.0	2844.2 ±257.1	5439.5 ±372.3	7258.6 ±348.7	979.8 ±132.3	8238.4 ±355.1
Montana	5770.3 ±507.7	2982.8 ±504.7	8753.1 ±754.6	5318.4 ±644.7	455.1 ±206.0	5773.5 ±670.1
Nebraska	2777.2 ±290.9	3798.8 ±391.4	6576.0 ±481.6	11857.8 ±400.8	1118.5 ±221.7	12976.3 ±404.9

State	HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total HEL Cropland	Non-HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	Non-HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total Non-HEL Cropland
Nevada	223.4 ±126.3	48.4 ±35.8	271.8 ±126.6	360.6 ±112.7	*	364.3 ±113.4
New Hampshire	28.0 ±14.5	1.5 ±1.4	29.5 ±14.5	91.8 ±24.0	*	95.1 ±24.4
New Jersey	66.3 ±22.0	59.0 ±21.1	125.3 ±30.3	324.7 ±58.9	77.9 ±23.3	402.6 ±55.9
New Mexico	433.8 ±110.9	946.1 ±156.5	1379.9 ±201.1	127.0 ±47.6	41.8 ±32.2	168.8 ±46.3
New York	1019.8 ±143.7	656.5 ±106.7	1676.3 ±173.8	3256.6 ±218.5	426.0 ±109.6	3682.6 ±205.3
North Carolina	740.5 ±154.1	568.9 ±109.5	1309.4 ±183.2	3663.9 ±266.5	539.5 ±107.9	4203.4 ±268.1
North Dakota	2112.1 ±261.5	2470.9 ±288.5	4583.0 ±293.8	12557.9 ±558.4	7125.6 ±542.9	19683.5 ±513.4
Ohio	1137.7 ±159.0	957.7 ±106.8	2095.4 ±209.1	8469.6 ±293.2	678.3 ±98.4	9147.9 ±243.0
Oklahoma	1077.2 ±212.0	1129.9 ±146.3	2207.1 ±250.0	5758.7 ±352.1	1005.5 ±229.3	6764.2 ±361.7
Oregon	319.1 ±74.0	413.3 ±91.1	732.4 ±131.1	2587.3 ±236.3	381.3 ±114.3	2968.6 ±288.4
Pennsylvania	1768.1 ±151.7	1329.3 ±137.0	3097.4 ±173.2	1801.8 ±221.9	225.1 ±52.1	2026.9 ±220.4
Rhode Island	*	0.0 ±0.0	*	12.0 ±6.0	7.9 ±6.5	19.9 ±11.0
South Carolina	150.5 ±31.7	63.0 ±34.3	213.5 ±39.0	1900.7 ±125.5	253.7 ±79.1	2154.4 ±125.9

State	HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total HEL Cropland	Non-HEL Cropland Eroding At or Below Soil Loss Tolerance Rates	Non-HEL Cropland Eroding Above Soil Loss Tolerance Rates	Total Non-HEL Cropland
South Dakota	1043.0 ±241.4	1277.8 ±235.1	2320.8 ±344.8	12578.7 ±488.2	2187.1 ±264.6	14765.8 ±443.9
Tennessee	1186.2 ±135.4	899.5 ±125.6	2085.7 ±172.1	2376.0 ±201.4	288.3 ±95.0	2664.3 ±187.2
Texas	2611.5 ±411.5	6383.6 ±439.8	8995.1 ±547.2	10898.5 ±646.5	5668.7 ±532.4	16567.2 ±612.2
Utah	304.8 ±123.5	252.2 ±90.0	557.0 ±172.7	984.3 ±277.9	140.8 ±66.5	1125.1 ±271.6
Vermont	134.8 ±27.1	43.1 ±20.3	177.9 ±28.9	376.9 ±62.6	31.7 ±13.5	408.6 ±61.2
Virginia	971.4 ±98.1	341.9 ±72.5	1313.3 ±123.9	1127.4 ±131.2	421.7 ±99.1	1549.1 ±132.9
Washington	436.3 ±127.6	2338.9 ±343.7	2775.2 ±364.6	2313.2 ±370.9	1405.4 ±320.1	3718.6 ±439.2
West Virginia	391.6 ±113.9	76.6 ±46.1	468.2 ±115.8	347.4 ±67.7	*	352.4 ±67.4
Wisconsin	1384.7 ±147.9	1609.0 ±221.9	2993.7 ±233.8	6539.6 ±255.3	770.3 ±126.1	7309.9 ±229.2
Wyoming	720.1 ±146.9	319.2 ±108.9	1039.3 ±167.4	907.1 ±201.1	214.7 ±162.0	1121.8 ±258.7

Note: A \* indicates that the margin of error is greater than the estimate.

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